### PATENT COOPERATION TREATY

## From the INTERNATIONAL BUREAU **PCT** Commissioner NOTIFICATION OF ELECTION **US Department of Commerce** United States Patent and Trademark (PCT Rule 61.2) Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 **ETATS-UNIS D'AMERIQUE** Date of mailing (day/month/year) in its capacity as elected Office 19 June 2001 (19.06.01) International application No. Applicant's or agent's file reference PCT/US00/22442 <no.>00977-P International filing date (day/month/year) Priority date (day/month/year) 16 August 2000 (16.08.00) 16 August 1999 (16.08.99) **Applicant** LAWRENCE, Mark, H. 1. The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on: 23 February 2001 (23.02.01) in a notice effecting later election filed with the International Bureau on: 2. The election was not made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Olivia TEFY

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## (43) International Publication Date 22 February 2001 (22.02.2001)

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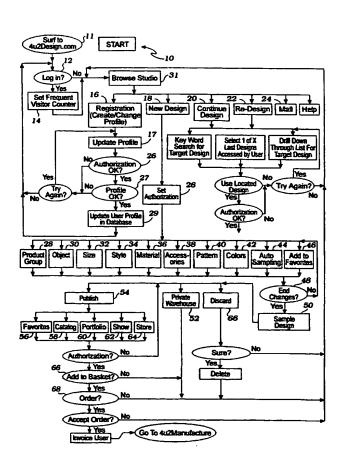
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- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LAWRENCE, Mark.

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
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[Continued on next page]

(54) Title: VIRTUAL DESIGN STUDIO SYSTEM



(57) Abstract: A program (10) for designing and market testing goods or services on-line based upon the authorization of and feedback collected from one or more users. The program includes various parts, including a design studio having a new design (18), continued design (20), redesign (22), or mall for shopping (24). The design studio also includes a product or service group category (28) having various elements of a product or service to be designed, which may be selected from a database and used by an authorized user. After a design is accepted or completed by an authorized user, the accepted design may be sampled in a unique sampling mode (44), stored (52) or discarded (66), or ordered (68), as desired. Stored designs may also be published (54) so as to be added to a catalog (58), portfolio (60), show (62), store (64), etc., where an authorized user may order (68) and then have manufactured the design by an agreed-to manufacturer associated with a supplier. The program also allows a user to simulate the assembly of an object in a chosen setting, prior to completing the design, market testing the design and purchasing the design.

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IT, LU, MC, NL, PT, SE). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

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## PATENT COOPERATION TREATY



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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

FOR FURTHER ACTION		cation of Transmittal of International Examination Report (Form PCT/IPEA/416)	
International filing date (day/month/year)		Priority date (day/month/year)	
16 AUGUST 2000		16 AUGUST 1999	
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	International filing date (day 16 AUGUST 2000) or national classification and 16 (26, 27, 14; 700/233)  The array examination report has a transmitted to the applicant total of sheets.  The basis for this report and/or sheet in the following is started to the following is ort  The array examination report has a transmitted to the applicant total of sheets.  The basis for this report and/or sheet in the following is ort  The array examination of the Administrative is the following is onto the following is ort.  The array examination are port and/or sheets.  The basis for this report and/or sheets	International filing date (day/month/year)  16 AUGUST 2000  ) or national classification and IPC  16/26, 27, 14; 700/233  hary examination report has been prepare to transmitted to the applicant according to  1. total of	





## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/22442

I.	Ba	1515 01	the repo	ort				
1.	With	regard	to the eler	ments of the internati	onal application:*			
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	M		escription					
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	the international application was filed, unless otherwise indicated under this item.  These elements were available or furnished to this Authority in the following language which is:  the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  the language of publication of the international application (under Rule 48.3(b)).  the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and or 55.3).							
3.						nce disclosed in the internation the sequence listing:	nal application, the international	
	Ш	conta	ined in th	ne international ap	plication in printe	d form.		
	$\Box$	filed	together	with the internation	onal application in	computer readable form.		
	$\sqcap$	furnished subsequently to this Authority in written form.						
	$\sqcap$	furnished subsequently to this Authority in computer readable form.						
	吕	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the						
	international application as filed has been furnished.							
	The statement that the information recorded in computer readable form is identical to the writen sequence listing has been furnished.							
4.	The amendments have resulted in the cancellation of:							
		X	the desc	ription, pages	NONE			
		X		ns, Nos.	NONE			
		$\overline{\mathbf{x}}$		vings, sheets <del>/fig</del>	NONE	<del></del>		
5		This				ents had not been made since	they have been considered to go	
	· L		-			lemental Box (Rule 70.2(c)).**		
,	in t	laceme	ent sheets w	vhich have been furni	ished to the receiving	Office in response to an invitation	on under Article 14 are referred to contain amendments (Rules 70.16	
L_:			-	eet containing such	amendments must l	pe referred to under item 1 an	nd annexed to this report.	





### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/22+42

V. Reasoned statement under Article 35( citations and explanations supporting		rd to novelty, inventive step or industrial applica	bility;
1. statement			
Novelty (N)	Claims	NONE	_ YES
	Claims	1-23	_ NO
Inventive Step (IS)	Claims	NONE	YES
inventive step (15)	Claims	1-23	_ NO
Industrial Applicability (IA)	Claims	1-23	_ YES
	Claims	NONE	_ NO
design studio so as to qualify as authorized u a shopping mode for existing designs in the formats access to preexisting design elements design format, or allowing authorized users acceptable designs from authorized users for acceptable designs in a storage database (colu  Cannon teaches the steps of allowing allowing users to select between a new design allowing authorized users to order an acce manufactured, the acceptable design, samplin	on-line access sers, allowing virtual design maintained in to add their of storage of the amn 7, line 20 g authorized us format, a conti- eptable design g a design in a e unattractive	s to a virtual design studio, requiring registration of user authorized users to select between a variety of design for studio, allowing authorized users in one of the variety o a design element database to aid in forming a design in a own design elements to a selected design format, and response	mats or f design selected ecciving designs, format, or have owing a





International applicati n No. PCT/US00/22442

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A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) :G06F 17/60						
US CL :705/26, 27, 14; 700/233						
According t	o International Patent Classification (IPC) or to both	national classification and IPC				
B. FIEL	DS SEARCHED					
Minimum d	ocumentation searched (classification system followed	by classification symbols)				
U.S. :	705/26, 27, 14; 700/233					
Documentat	ion searched other than minimum documentation to the	extent that such documents are included	in the fields searched			
NONE						
Electronic d	lata base consulted during the international search (na	me of data base and, where practicable,	search terms used)			
WEST, D						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
X	US 5,615,123 A (DAVIDSON et al) 2 thru col. 22, line 67.	5 March 1997, col. 8, line 2	1-23			
x	US 5,726,898 A (JACOBS) 10 March 19, line 54.	1998, col. 5, line 53 thru col.	1-23			
x	US 5,748,484 A (CANNON et al) 05 N col. 20, line 48.	1-23				
X	US 5,768,142 A (JACOBS) 16 June 1 19, line 67.	1-23				
X,P	US 5,983,201 A (FAY) 09 November : 8, line 63.	1999, col. 4, line 64 thru col.	1-23			
Α	US 5,583,763 A (ATCHESON et al) document.	10 December 1996, entire	1-23			
Further documents are listed in the continuation of Box C. See patent family annex.						
Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the						
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Date of the actual completion of the international search  Date of mailing of the international search report						
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231  Facsimile No. (703) 305-3230  Authorized officer  TOD SWANN  Tolephone No. (703) 308-7791						
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